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6. AUTHORS

5d. PROJECT NUMBER

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5f. WORK UNIT NUMBER

7. PERFORMING ORGANIZATION NAMES AND ADDRESSES
Gordon Research Conferences, Inc.
512 Liberty Lane

West Kingston, RI 02892 -1502

8. PERFORMING ORGANIZATION REPORT NUMBER

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS (ES)
U.S. Army Research Office
P.O. Box 12211
Research Triangle Park, NC 27709-2211

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13. SUPPLEMENTARY NOTES
The views, opinions and/or findings contained in this report are those of the author(s) and should not contrued as an official Department of the Army position, policy or decision, unless so designated by other documentation.

14. ABSTRACT

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	15. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT	b. ABSTRACT	c. THIS PAGE			Leonard MacGillivray
UU	UU	UU	UU		19b. TELEPHONE NUMBER 319-335-3504

RPPR Final Report
as of 23-Jan-2019

Agency Code:

Proposal Number: 72744CHCF **Agreement Number: W911NF-18-1-0065**
INVESTIGATOR(S):

Name: Leonard R. MacGillivray
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Phone Number: 3193353504
Principal: Y

Organization: **Gordon Research Conferences, Inc.**
Address: 512 Liberty Lane, West Kingston, RI 028921502
Country: USA
DUNS Number: 075712877 EIN: 050300482
Report Date: 31-Mar-2019 Date Received: 19-Dec-2018
Final Report for Period Beginning 01-Jan-2018 and Ending 31-Dec-2018
Title: 2018 Crystal Engineering GRC
Begin Performance Period: 01-Jan-2018 **End Performance Period:** 31-Dec-2018
Report Term: 0-Other
Submitted By: Nancy Ryan Gray Email: grants@grc.org
Phone: (401) 360-1505

STEM Degrees: **STEM Participants:**

Major Goals: Organizing a Gordon Research Conference involves extensive communication with the research community to identify important issues at the frontiers of the field, and solicit suggestions for speakers and discussion leaders to participate in the conference. The Chair then contacts prospective participants to invite them to talk and discuss the nature of their contributions. The Chair then communicates the topics and aims of the conference through web pages, contact with relevant international professional bodies and email to members of the research community around the world to encourage applications for participation in the conference. The Chair is then responsible for assessing and accepting the applications and fielding a host of questions both concerning the technical content and practical aspects of conference participation.

Accomplishments: This is the fifth GRC dedicated to Crystal Engineering. The 2018 GRC followed highly successful meetings in 2010, 2012, 2014, and 2016 each of which was attended by ~140 participants from around the world. This GRC was accompanied by a Gordon Research Seminar (GRS) on "Applications and Interfaces in Crystal Engineering". The GRS is an excellent opportunity for graduate students, postdoctoral researchers, and other scientists with similar levels of experience to gather and learn from each other and experts in the field. The GRC and the GRS together provided a unique opportunity for participants to discuss the very latest trends and findings within this exciting and rapidly-evolving area of science.

The ability to control crystallization and dictate the organization of atomic and molecular building blocks in the solid state using principles of crystal engineering is rapidly evolving to the point where properties can be realized through design rather than serendipity. Progress in this area will take place at the intersection of organic, inorganic, materials, and physical chemistry and requires a unique interface of experimental and theoretical tools provided by academia and industry. The collective purpose of the GRC and GRS was to bring together a wide range of experts with diverse backgrounds and consisted of the session topics noted below. The theme of "Progress in Crystal Engineering Design, Properties, and Function" aims to capture developments being made in Crystal Engineering on multiple fronts.

Training Opportunities: Speakers, discussion leaders, poster presenters and attendees simultaneously contributed to and benefited from the collective skills and experience shared throughout the conference. The funding provided by was invaluable to the success of the Conference.

Results Dissemination: The final conference program has been posted on the GRC website.

RPPR Final Report
as of 23-Jan-2019

Honors and Awards: Nothing to Report

Protocol Activity Status:

Technology Transfer: Nothing to Report

GORDON RESEARCH CONFERENCES

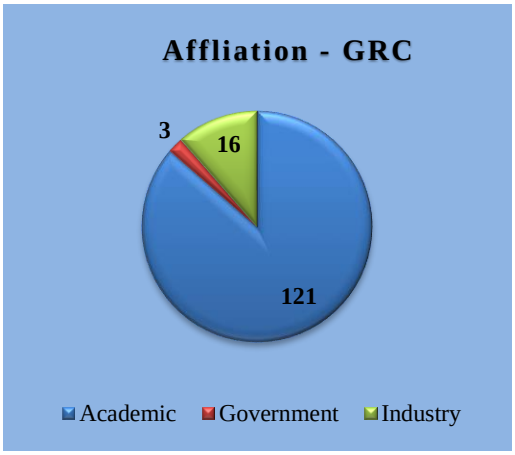
FINAL PROGRESS REPORT
Army Research Office
Crystal Engineering GRC
Grant Number W911NF-18-1-0065

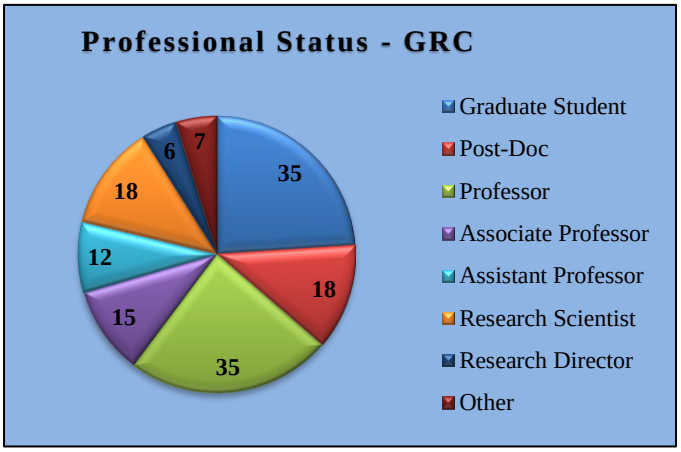
Operational Summary

The Gordon Research Conference (GRC) on Crystal Engineering was held at the Jordan Hotel at Sunday River, Newry, ME from June 24-29, 2018. The meeting covered a variety of scientific topics and the content presented was highly rated by participants.

Conference Participants

The Conference was well-attended with 146 participants. Scientists from academia represented 83% of the participants while attendees from government accounted for 3% and those from industry totaled 11 %. The meeting also attracted a strong mix of young investigators and senior scientists. Students and post-docs accounted for 36.3% of all attendees. Approximately 32% of the participants at the 2018 meeting were women.





Conference Program

This is the fifth GRC dedicated to Crystal Engineering. The 2018 GRC followed highly successful meetings in 2010, 2012, 2014, and 2016 each of which was attended by ~140 participants from around the world. This GRC was accompanied by a Gordon Research Seminar (GRS) on "Applications and Interfaces in Crystal Engineering". The GRS is an excellent opportunity for graduate students, postdoctoral researchers, and other scientists with similar levels of experience to gather and learn from each other and experts in the field. The GRC and the GRS together provided a unique opportunity for participants to discuss the very latest trends and findings within this exciting and rapidly-evolving area of science.

The ability to control crystallization and dictate the organization of atomic and molecular building blocks in the solid state using principles of crystal engineering is rapidly evolving to the point where properties can be realized through design rather than serendipity. Progress in this area will take place at the intersection of organic, inorganic, materials, and physical chemistry and requires a unique interface of experimental and theoretical tools provided by academia and industry. The collective purpose of the GRC and GRS was to bring together a wide range of experts with diverse backgrounds and consisted of the session topics noted below. The theme of "Progress in Crystal Engineering Design, Properties, and Function" aims to capture developments being made in Crystal Engineering on multiple fronts.

Conference Budget

Funding provided by the Army Research Office supported partial registration for 3 postdocs, 3 graduate students, 17 professors and 7 associate professors at the GRC.

Conference Feedback

Participants had an opportunity to provide feedback at the end of the Conference. The feedback collected from the meeting was extremely positive. Evaluations included numerous positive remarks regarding variety of topics, opportunities to network and outstanding student and young researcher participation.

GRC would like to thank the Army Research Office for its continued support of the meetings. The contributions received have been critical to the success of the conferences and are having a measurable impact in advancing the frontiers of science worldwide.

Dr. Len R. MacGillivray, GRC Chair
University of Iowa

Dr. Nancy Ryan Gray
President and Chief Executive Officer
Gordon Research Conferences

Crystal Engineering

Gordon Research Conference

Progress in Crystal Engineering - Design, Properties, and Function

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June 24 - 29, 2018

Chair- Len R. MacGillivray
Vice Chair- Jennifer A. Swift
Jordan Hotel at Sunday River
27 Grand Circle
Newry, ME, US

Conference Program

Sunday

2:00 pm - 9:00 pm	Arrival and Check-in
6:00 pm - 7:00 pm	Dinner
7:30 pm - 7:40 pm	Introductory Comments by GRC Site Staff / Welcome from the GRC Chair
7:40 pm - 9:30 pm	Crystal Engineering: Functional Design Discussion Leader: **Piero Sozzani** (University of Milano-Bicocca, Italy)
7:40 pm - 8:20 pm	**Gautam Desiraju** (Indian Institute of Science, India) "Mechanical Properties of Molecular Crystals"
8:20 pm - 8:35 pm	Discussion
8:35 pm - 9:15 pm	**Andy Cooper** (University of Liverpool, United Kingdom) "Functional Molecular Crystals: Design or Discovery?"
9:15 pm - 9:30 pm	Discussion

Monday

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Crystal Nucleation, Growth, and Self-Assembly Discussion Leader: **Jason Benedict** (University at Buffalo, SUNY, USA)
9:00 am - 9:30 am	**Cristobal Viedma** (Complutense University of Madrid, Spain) "Enantiomer-Specific Oriented Assembly: Chiral Purity from Non-Classical Crystallization"
9:30 am - 9:45 am	Discussion
9:45 am - 10:15 am	**Kenneth Harris** (Cardiff University, United Kingdom) "NMR Crystallization: New *In-Situ* NMR Techniques for Time-Resolved Monitoring of Crystallization Processes"
10:15 am - 10:30 am	Discussion
10:30 am - 11:00 am	Coffee Break
11:00 am - 11:30 am	**Lian Yu** (University of Wisconsin-Madison, USA) "Crystal Nucleation and Growth in Glass-Forming Molecular Liquids"
11:30 am - 11:45 am	Discussion
11:45 am - 12:15 pm	**Jonathan Steed** (Durham University, United Kingdom)

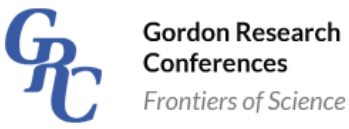
	"Switchable Supramolecular Gels in Solid Form Control"
12:15 pm - 12:30 pm	Discussion
12:30 pm - 1:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
3:00 pm - 4:00 pm	Power Hour *The GRC Power Hour is an optional informal gathering open to all meeting participants. It is designed to help address the challenges women face in science and support the professional growth of women in our communities by providing an open forum for discussion and mentoring.* Organizer: **Jennifer Swift** (Georgetown University, USA)
4:00 pm - 6:00 pm	Poster Session
6:00 pm - 7:00 pm	Dinner
7:30 pm - 9:30 pm	Structure Prediction and Polymorphism Discussion Leader: **Sarah Price** (University College London, United Kingdom)
7:30 pm - 8:00 pm	**Aurora Cruz-Cabeza** (University of Manchester, United Kingdom) "Can We Predict Polymorphism? An Insight into Kinetics and Thermodynamic Factors"
8:00 pm - 8:15 pm	Discussion
8:15 pm - 8:35 pm	**Leslie Vogt-Maranto** (New York University, USA) "Predicting Molecular Crystal Structures: Polymorphs, Polytypes and Local Disorder"
8:35 pm - 8:45 pm	Discussion
8:45 pm - 9:15 pm	**Reiko Kuroda** (Tokyo University of Science, Japan) "Exploring Polymorph Transformation: Vapour, Solution and Crystals"
9:15 pm - 9:30 pm	Discussion
Tuesday	
7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Single-Crystal Processes to Device Applications Discussion Leader: **Alexei Tivanski** (University of Iowa, USA)
9:00 am - 9:30 am	**Leonard Barbour** (Stellenbosch University, South Africa) "Complementary Methods for the Characterization of Porous Crystalline Materials"
9:30 am - 9:45 am	Discussion
9:45 am - 10:15 am	**Christopher Bardeen** (University of California, Riverside, USA) "Photomechanical Crystals: Using Molecular-Scale Photochemistry to Do Macroscopic Work"
10:15 am - 10:30 am	Discussion
10:30 am - 11:00 am	Coffee Break
11:00 am - 11:30 am	**Lucia Maini** (University of Bologna, Italy) "Polymorphism as Valuable Tool for Investigating Effects of Solid-State Packing on Charge Transport and Emission Colour"
11:30 am - 11:45 am	Discussion
11:45 am - 12:15 pm	**John Anthony** (University of Kentucky, USA) "Controlling Crystalline Order for Organic Electronics Applications"

12:15 pm - 12:30 pm	Discussion
12:30 pm - 1:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm - 7:00 pm	Dinner
7:30 pm - 9:30 pm	Crystals to Covalent Networks Discussion Leader: **Qianli Rick Chu** (University of North Dakota, USA)
7:30 pm - 8:10 pm	**James Wuest** (Universite de Montreal, Canada) "Engineering New Crystalline Molecular Materials"
8:10 pm - 8:30 pm	Discussion
8:30 pm - 9:10 pm	**Angiolina Comotti** (University of Milano-Bicocca, Italy) "Switchable Rotor Dynamics in Crystalline Porous Architectures"
9:10 pm - 9:30 pm	Discussion
Wednesday	
7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Pharmaceutics, Co-Crystals, and Amorphous Solids Discussion Leader: **Jane Li** (Pharmaron, China)
9:00 am - 9:40 am	**Michael Zaworotko** (University of Limerick, Ireland) "Crystal Engineering: Then and Now"
9:40 am - 10:00 am	Discussion
10:00 am - 10:20 am	**Fengjuan Cao** (Pfizer Worldwide R&D, USA) "Factors that Impact Cocrystal Stability"
10:20 am - 10:30 am	Discussion
10:30 am - 11:00 am	Group Photo / Coffee Break
11:00 am - 11:30 am	**Ashwini Nangia** (CSIR-National Chemical Laboratory, India) "Crystal Engineering and Solid-State Pharmaceuticals"
11:30 am - 11:45 am	Discussion
11:45 am - 12:15 pm	**Geoff Zhang** (AbbVie Inc., USA) "Amorphous Solids and Solid Dispersions: Understanding the Enhanced Dissolution and Absorption"
12:15 pm - 12:30 pm	Discussion
12:30 pm - 1:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 5:30 pm	Poster Session
5:30 pm - 7:30 pm	Metal-Organic Materials Discussion Leader: **Ashlee Howarth** (Concordia University, Canada)
5:30 pm - 6:10 pm	**Praveen K. Thallapally** (Pacific Northwest National Laboratory, USA) "Metal-Organic Frameworks: Fundamentals to Application"
6:10 pm - 6:30 pm	Discussion
6:30 pm - 7:10 pm	**Mohamed Eddaoudi** (King Abdullah University of Science and Technology, Saudi Arabia)

	"Elaborate Strategies for the Design and Construction of Metal-Organic Frameworks"
7:10 pm - 7:30 pm	Discussion
8:00 pm - 9:00 pm	Dinner
Thursday	
7:30 am - 8:30 am	Breakfast
8:30 am - 9:00 am	Business Meeting *Nominations for the Next Vice Chair; Fill in Conference Evaluation Forms; Discuss Future Site and Scheduling Preferences; Election of the Next Vice Chair*
9:00 am - 12:30 pm	Porosity to Gas Capture Discussion Leader: **Pierangelo Metrangolo** (Politecnico di Milano, Italy)
9:00 am - 9:30 am	**Michaele Hardie** (University of Leeds, United Kingdom) "Networked Metallo-Cage Materials and Other Coordination Polymers"
9:30 am - 9:45 am	Discussion
9:45 am - 10:15 am	**Radu Custelcean** (Oak Ridge National Laboratory, USA) "CO_2 Capture via Crystallization with Guanidines"
10:15 am - 10:30 am	Discussion
10:30 am - 11:00 am	Coffee Break
11:00 am - 11:30 am	**Kevin Holman** (Georgetown University, USA) "Engineering 0D Porous Molecular Solids for Selective Gas Sorption and/or Storage"
11:30 am - 11:45 am	Discussion
11:45 am - 12:15 pm	**Jerry Atwood** (University of Missouri, USA) "Organic Solids for Gas Capture: Porosity on Demand"
12:15 pm - 12:30 pm	Discussion
12:30 pm - 1:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm - 7:00 pm	Dinner
7:30 pm - 9:30 pm	Mechanical Effects and Mechanochemistry Discussion Leader: **Anja Mudring** (University of Stockholm, Sweden)
7:30 pm - 8:00 pm	**Pance Naumov** (New York University Abu Dhabi, United Arab Emirates) "Soft-Matter-Like Properties of Molecular Crystals: The *Terra Incognita* in Crystal Engineering"
8:00 pm - 8:15 pm	Discussion
8:15 pm - 8:35 pm	**Cristina Mottillo** (ACSYNAM, Canada) "Bridging MOF Synthesis and Sustainable Innovation: Mechanochemistry and Beyond"
8:35 pm - 8:45 pm	Discussion
8:45 pm - 9:15 pm	**Malla Chilla** (Indian Institute of Science Education and Research Kolkata, India) "FleXtals: Role of Shape Synthons in Shaping Mechanical Flexibility of Crystals"
9:15 pm - 9:30 pm	Discussion
Friday	

7:30 am - 8:30 am	Breakfast
9:00 am	Departure

Contributors



Crystal Engineering GRC Registration List

Name	Organization	Participation
Abraham, Nathan S	University of Colorado Boulder	Poster Presenter
Aina, Alexander A	University College London	Poster Presenter
Anamimoghadam, Ommid	Northwestern University	Poster Presenter
Andre, Vania	Centro de Química Estrutural	Poster Presenter
Anthony, John E	University of Kentucky	Speaker
Arhangelskis, Mihails	Department of Chemistry, McGill University	Poster Presenter
Atwood, Jerry L	University of Missouri	Speaker
Ayala, Alejandro P	Federal University of Ceara	Poster Presenter
Aykanat, Aylin	Dartmouth College	Poster Presenter
Back, Kevin R	Pfizer Ltd	Poster Presenter
Barbour, Leonard	Stellenbosch University	Speaker
Bardeen, Christopher	University of California, Riverside	Speaker
Bathori, Nikoletta B.	Cape Peninsula University of Technology	Poster Presenter
Bellucci, Michael	XtalPi	Poster Presenter
Benedict, Jason B	University at Buffalo, SUNY	Discussion Leader
Biradha, Kumar	Indian Institute of Technology, Kharagpur	Attendee
Bombicz, Petra A	Research Centre for Natural Sciences, Hungarian Academy of Sciences	Poster Presenter
Brekalo, Ivana	Georgetown University	Poster Presenter
Broom, Darren P	Hiden Isochema Ltd	Attendee
Bucar, Dejan-Kresimir	University College London	Attendee
Burger, Virginia M	Xtalpi, Inc.	Poster Presenter
Campillo-Alvarado, Gonzalo	University of Iowa	Poster Presenter
Cao, Fengjuan	Pfizer Worldwide R&D	Speaker
Carrasquillo, Ronald	Bristol-Myers Squibb	Attendee
Chang, Boyce S	Iowa State University	Poster Presenter
Chen, Mark S	Lehigh University	Poster Presenter
Chilla, Malla Reddy	Indian Institute of Science Education and Research Kolkata	Speaker
Chu, Qianli Rick	University of North Dakota	Discussion Leader
Claassens, Isabella E	Stellenbosch University	Poster Presenter
Commins, Patrick	New York University Abu Dhabi	Poster Presenter
Comotti, Angiolina	University of Milano-Bicocca	Speaker
Cooper, Andy	University of Liverpool	Speaker
Croker, Denise M	University of Limerick	Attendee
Cruz-Cabeza, Aurora J	University of Manchester	Speaker
Cui, Xunzhe	Dartmouth College	Poster Presenter
Custelcean, Radu	Oak Ridge National Laboratory	Speaker
D'agostino, Simone	University of Bologna -Dip. Chim. G. Ciamician-	Poster Presenter
De Poel, Wester	Radboud University	Poster Presenter
Desiraju, Gautam R	Indian Institute of Science	Speaker
Do, Jean-Louis	Concordia University, McGill University	Poster Presenter
Duarte, Maria Teresa	Centro de Química Estrutural	Poster Presenter

Duncan, Andrew J	University of Iowa	Poster Presenter
Eddaoudi, Mohamed	King Abdullah University of Science and Technology	Speaker
Evans, Daniel A	Albemarle Corporation	Attendee
Feldblyum, Jeremy I	The University at Albany, SUNY	Poster Presenter
Fellah, Noalle	New York University	Poster Presenter
Friscic, Tomislav	McGill University	Poster Presenter
Gabriele, Benjamin P	University of Manchester	Poster Presenter
Genna, Douglas T	Youngstown State University	Poster Presenter
German Acacio, Juan M	Universidad Nacional Autónoma de México	Poster Presenter
Gonzalez-Nelson, Adrian M	Delft University of Technology	Poster Presenter
Groeneman, Ryan H	Webster University	Poster Presenter
Hadjittofis, Eftychios	Imperial College London	Poster Presenter
Hardie, Michaele J	University of Leeds	Speaker
Harris, Kenneth D. M.	Cardiff University	Speaker
Holman, Kevin Travis	Georgetown University	Speaker
Howarth, Ashlee J	Concordia University	Discussion Leader
Huskic, Igor	McGill University	Poster Presenter
Hutchins, Kristin M	Texas Tech University	Poster Presenter
Iuzzolino, Luca	University College London	Poster Presenter
Jaime Adan, Everardo	Universidad Nacional Autonoma De Mexico	Poster Presenter
James, Stuart	Queen's University Belfast	Attendee
Janzen, Daron E	St. Catherine University	Poster Presenter
Jones, William	University of Cambridge	Attendee
Julien, Patrick A	McGill University	Poster Presenter
Kaabel, Sandra	Tallinn University of Technology	Poster Presenter
Kane, Christopher	University of Liverpool	Poster Presenter
Karothu, Durga Prasad	New York University Abu Dhabi	Poster Presenter
Katsenis, Athanassios D.	McGill University	Attendee
Ke, Chenfeng	Dartmouth College	Attendee
Kelley, Steven P	University of Missouri Columbia	Poster Presenter
Kelly, Andrew	Georgetown University	Poster Presenter
Konar, Sanjit	IISER Bhopal	Attendee
Krane, Sonja	American Chemical Society	Attendee
Kumar, Girijesh	Panjab University, India	Poster Presenter
Kuroda, Reiko	Tokyo University of Science	Speaker
Lennox, Cameron B	McGill University	Poster Presenter
Lestari, Monica	University of Limerick	Attendee
Li, Penghao	Northwestern University	Poster Presenter
Li, Ying	Celgene Corporation	Attendee
Li, Shaodi	McGill University	Poster Presenter
Li, Jane	Pharmaron	Discussion Leader
Liu, Fan	Georgetown University	Poster Presenter
MacDonald, Elizabeth P	Solid State Pharma Inc.	Attendee
MacEachern, Lauren	Solid State Pharma Inc. (SSPI)	Poster Presenter

MacGillivray, Len R.	University of Iowa	Chair
Maini, Lucia	University of Bologna	Speaker
Martins, Inês C. B.	CQE	Poster Presenter
Mattei, Alessandra	AbbVie Inc.	Attendee
Mellot-Draznieks, Caroline	CNRS - Collège de France	Attendee
Metrangolo, Pierangelo	Politecnico di Milano	Discussion Leader
Mottillo, Cristina	ACSYNAM	Speaker
Mudring, Anja V.	University of Stockholm	Discussion Leader
Mukherjee, Arijit	MIT	Poster Presenter
Myerson, Allan S	Massachusetts Institute of Technology	Attendee
Nangia, Ashwini K	CSIR-National Chemical Laboratory	Speaker
Naumov, Pance	New York University Abu Dhabi	Speaker
Nickels, Christopher W	Form-Tech Scientific	Poster Presenter
Nisbet, Matthew L	Northwestern University	Poster Presenter
Oburn, Shalisa M	University of Iowa	Poster Presenter
Ojala, William H	University of St. Thomas	Poster Presenter
Oswald, Iain D.H.	University of Strathclyde	Poster Presenter
Pandey, Prashant Kumar	Georgetown university	Poster Presenter
Preuss, Kathryn	University of Guelph	Poster Presenter
Price, Sarah L	University College London	Discussion Leader
Rai, Rishika	Indian Institutes of Science Education and Research	Poster Presenter
Ray, Kamal K	University of Iowa	Poster Presenter
Rogers, Mihaela	Crystal Growth and Design-American Chemical Society	Attendee
Rogers, Robin D	The University of Alabama	Attendee
Rosenbaum, Tamar	Bristol Myers Squibb	Attendee
Rosi, Nathaniel L	University of Pittsburgh	Poster Presenter
Salvalaglio, Matteo	University College London	Poster Presenter
Sandhu, Bhupinder K	Kansas State University	Poster Presenter
Sarjeant, Amy A	The Cambridge Crystallographic Data Centre	Attendee
Sarkar, Nandini	Kansas State University	Poster Presenter
Schurko, Robert W	University of Windsor	Poster Presenter
Schwenzer, Birgit	National Science Foundation	Attendee
Sheikh, Ahmad Y	AbbVie Inc	Attendee
Shivanna, Mohana	University of Limerick	Poster Presenter
Shore, Andrew J.T.	Royal Society of Chemistry	Attendee
Smith, Brian J	Bucknell University	Poster Presenter
Soldatov, Dmitriy	University of Guelph	Attendee
Sozzani, Piero	University of Milano-Bicocca	Discussion Leader
Steed, Jonathan W	Durham University	Speaker
Sureshan, Kana M	IISER Thiruvananthapuram	Poster Presenter
Swenson, Dale C	University of Iowa	Attendee
Swift, Jennifer A	Georgetown University	Vice Chair
Thallapally, Praveen K.	Pacific Northwest National Laboratory	Speaker
Tivanski, Alexei V	University of Iowa	Discussion Leader

Topic, Filip	McGill University	Poster Presenter
Valdes-Martinez, Jesus	Universidad Nacional Autónoma de México	Poster Presenter
Viedma, Cristobal	Complutense University of Madrid	Speaker
Vogt-Maranto, Leslie	New York University	Speaker
Vukotic, Nicholas V	PROTO Manufacturing Ltd.	Poster Presenter
Walton, Ian M	Georgia Institute of Technology	Poster Presenter
Watts, Taylor A	Georgetown University	Poster Presenter
Whitener, Mark A	Montclair State University	Poster Presenter
Wijethunga, Tharanga K	Massachusetts Institute of Technology	Poster Presenter
Wiscons, Ren A	University of Michigan	Poster Presenter
Wright, Sarah E	University of Manchester	Poster Presenter
Wuest, James D	Université de Montréal	Speaker
Yang, Jingxiang	New York University	Poster Presenter
Yelgaonkar, Shweta P	University of Iowa	Poster Presenter
Yu, Lian	University of Wisconsin-Madison	Speaker
Zaworotko, Michael	University of Limerick	Speaker
Zhang, Geoff G. Z.	AbbVie Inc.	Speaker